



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090099-B

Mode: Highway

Status: Submitted

US-13

From/Cross Street: US 158 Bypass in Tarheel

To: SR 1202 (Eure Road/Gates School Road)

Length: 4.16

Specific Improvement Type: 1 - Widen Existing Roadway

Project Category: Statewide Mobility

TIP#: R-2507B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$26,200,000

Description:

Widen to Multi-Lanes.

Division(s): Division 1

County(s): GATES

MPOS(s)/RPO(s): Albemarle RPO

Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Statewide Mobility Total Score: 11.66

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 15.80 Safety (10%) 50.77 Economic Competitiveness (10%) 0.06 Multimodal + [Freight & Military] (20%) 9.17 [Travel Time] Benefit/Cost (30%) 0.02	N/A	N/A
Totals: Weight: 100% Weighted Score: 11.66		

Regional Impact Total Score: 27.49

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (15%) 50.77 [Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (20%) 0.02 Congestion (V/C) (15%) 15.80 Lane Width (10%) 25.00	Percent: 15% Points: 100	Percent: 15% Points: 0
Totals: Weight: 70% Weighted Score: 12.49		

Division Needs Total Score: 9.16

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
[Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (10%) 0.02 Lane Width (10%) 25.00 Congestion (V/C) (10%) 15.80 Safety (10%) 50.77	Percent: 25% Points: 0	Percent: 25% Points: 0
Totals: Weight: 50% Weighted Score: 9.16		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.16
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	3700
Capacity:	15500
Volume/Capacity Ratio:	0.24
% Autos:	83%
% Trucks:	17%
Truck Volume:	640
Crash Density:	59.82
Crash Severity:	36.67
Critical Crash Rate:	55.82
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	37
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	94
Actual Congested Speed:	57.98
Travel Time Index:	0.95

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.16
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	21846.24
Travel Time Savings for 30 Years (Autos):	18067.43
Travel Time Savings for 30 Years (Trucks):	3778.81
Long-Term Employment:	0
% Change in Economy:	1.16E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$23,200,000	TIP Unit
Right-of-Way Cost:	\$1,800,000	TIP Unit
Utilities Cost:	\$1,200,000	TIP Unit
Total Project Cost:	\$26,200,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$26,200,000	